

I claim:

1. A transition assembly for a roof deck, the roof deck including a sheet of rigid material and a sheet of corrugated material having top and bottom surfaces, the roof deck having an edge, said edge intersecting an upper and a lower surface at corners, said transition assembly comprising:

a base component having first and second legs, and having a longitudinal extent generally parallel to the edges of the roof deck, said first leg adapted to be secured to the sheet of corrugated material, and said second leg extending generally parallel to the edge of the roof deck, said base component having a connecting surface; and

an upper component having a connector portion, an anchor portion and a longitudinal extent generally parallel with the edges of the roof deck, and said anchor portion adapted to be secured to said roof deck, and said connector portion extending from said anchor portion and overlaying said connecting surface of said base component and secured to said connecting surface of said base component.

2. A transition assembly according to Claim 1, wherein said connecting surface of said second leg comprises a lip which extends over the upper surface of the roof deck.

3. A transition assembly according to Claim 2, wherein said first leg and said second leg of said base component are generally orthogonal and further wherein said lip and said first leg are generally parallel.

4. A transition assembly according to Claim 1, wherein said connector portion of said upper component is generally channel-shaped having a web and spaced apart first and second flanges, said first flange extending from said anchor portion to said web.

5. A transition assembly according to Claim 2, wherein said connector portion of said upper component is generally channel-shaped having a web and spaced apart first and second flanges, said first flange extending from said anchor portion to said web.

6. A transition assembly according to Claim 5, wherein said web of said connector portion of said upper component is secured to said connecting surface of said base component.

7. A transition assembly according to Claim 2, wherein said first leg of said base component is adapted to be secured to the bottom surface of said sheet of corrugated material.

8. A transition assembly according to Claim 2, wherein said anchor portion of said upper component is adapted to be secured to said roof deck between the sheet of rigid material and the sheet of corrugated material.

9. A transition assembly according to Claim 8, wherein said anchor portion of said upper component includes a nailing surface.

5 10. A transition assembly for a roof deck and a parapet wall, the roof deck including a sheet of rigid material and a sheet of corrugated material, the roof deck having an edge, said edge intersecting an upper and lower surface at corners, the parapet wall including a sheet of rigid material and extending from the roof deck generally orthogonally to the roof deck, the wall having a free end, said wall and said roof deck joining at an intersection, said transition assembly comprising:

10 a base component having first and second legs and having a longitudinal extent generally parallel to the corners of the roof deck, said first leg adapted to be secured to the sheet of corrugated material, said second leg extending generally parallel to and overlapping a portion of said wall, said second leg further having a connecting surface; and

a wall component having a connector portion, and a hook portion, and having a longitudinal extent generally parallel with the free end of the wall, said hook portion extending over said free end of said wall, said connector portion overlaying and secured to said connecting surface of said base component.

11. A transition assembly according to Claim 10, wherein said hook portion comprises a flange and lip, said flange extending from said connector portion, said lip extending from a distal end of said flange.

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12. A transition assembly according to Claim 11, wherein said flange of said hook component is generally orthogonal to said connector portion of said wall component.

13. A transition assembly according to Claim 10, wherein said second leg of said base component includes a slotted hole for receiving a fastener.

14. A transition assembly according to Claim 13, wherein said wall component is secured to said base component by a fastener extending through said connector portion of said wall component and said slotted hole of said second leg of said base component.

15. A transition assembly according to Claim 10, wherein said wall component and said base component are secured to said wall by a fastener which extends through said connector portion of said wall component and said second leg of said base component and into said wall.

16. A transition assembly according to Claim 10 for use at an expansion joint, which expansion joint comprises first and second roof decks and first and second parapet walls, said second roof deck and second parapet wall placed adjacent to and substantially mirroring the first roof deck and first parapet wall further comprising:

5 a second transition assembly placed in a mirror configuration with said transition assembly, such that said second transition assembly is attached to said second roof deck and said second parapet wall.

5 17. A transition assembly according to Claim 10, further comprising a cant component, said cant component positioned at said intersection of said wall and said roof deck, said cant component having a longitudinal extent generally parallel with said corners of said roof deck, and having a central portion and first and second legs extending from opposed ends of said central portion, said second leg of said cant component is secured to said wall component, and said first leg of said cant component secured to said first leg of said base component.

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18. A transition assembly according to Claim 17, wherein said central portion forms an obtuse angle with said first and second legs of said cant component.

19. A transition assembly according to Claim 18, wherein said cant component further includes a backing member for interposing between said central portion and said intersection between the wall and the roof deck.

20. A transition assembly according to Claim 17, wherein said first leg of said cant component is adapted to be secured between said rigid material of said roof deck and said corrugated material of said roof deck, and wherein said second leg of said cant component is adapted to be secured between said rigid material of said wall and said connector portion of said wall component.

21. A roof assembly comprising:

a roof deck having upper and lower surfaces and a perimeter, said perimeter intersecting said upper and lower surfaces,

said roof deck further having a corrugated sheet of material, said corrugated sheet being adapted to be supported on roof beams,

said roof deck further having a sheet of rigid material above said corrugated sheet, said rigid sheet having an upper surface and a lower surface, said lower surface facing said corrugated sheet;

a plurality of base components spaced apart and positioned at said perimeter of said roof deck, each said base component having first and second legs and a longitudinal extent, said first legs secured to said corrugated sheet, and said second legs extending generally parallel to said perimeter of said roof deck and including a connecting surface; and

a plurality of upper components positioned at said perimeter of the roof deck, each said upper component having a longitudinal extent, a connector portion, and an anchor portion, said anchor portion secured to said upper surface of said roof deck, and said connector portion extending from said anchor portion and overlaying and secured to the connecting surface of at least one said base component.

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22. A roof assembly as in Claim 21 wherein:

said connecting surface of said base components comprises a lip which extends over said upper surface of said roof deck; and wherein said connector portions of said upper components are generally channel-shaped each having a web and spaced apart first and second flanges, said first flanges extending from said anchor portions to said web, wherein each said web is secured to the connecting surface of at least one said base component.

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